

STA380_Exercises

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2022-08-10

1. Probability practice

Part A

Given information: Two categories of users:

1. Truthful clicker (TC)
2. Random clicker (RC)

Information on probabilities:

- $P(RC) = 0.3$
- $P(Yes|RC) = 0.5$
- $P(No|RC) = 0.5$
- $P(TC) = 0.7$
- $P(Yes|TC) = x$
- $P(No|TC) = 1 - x$

Using the Rule of Total Probability,